Attorney Docket No.: CBL-104/DIV

## AMENDMENTS TO THE CLAIMS

Kindly cancel claim 21, and amend claims 23-26 as shown in the listing of claims below. This listing of claims will replace all prior versions, and listings of claims in the application.

## LISITING OF CLAIMS

1 Claims 1-20 (canceled) 1 Claim 21. (canceled) Claim 22. (currently amended) The epitaxial layer of claim 21. An epitaxial layer, 1 2 comprising a metal nitride comprising a metal selected from the group consisting of gallium, aluminum and indium, wherein the epitaxial layer is formed by hydride vapor-3 4 phase deposition on a buffer layer and wherein the buffer layer comprises a nitride of an 5 element of groups III or IV of the periodic table formed on a substrate by a metal organic 6 chemical vapor deposition (MOCVD) technique, wherein said epitaxial layer is removed 7 from said buffer layer. Claim 23. (currently amended) The epitaxial layer of claim [[21]] 22, wherein said epitaxial 1 2 layer and the buffer layer together comprise an epitaxial layer/buffer layer heterostructure, and the epitaxial layer /buffer layer heterostructure is removed from the 3 substrate. 4 1 Claim 24. (currently amended) A semiconductor heterostructure, comprising: 2 a) a nitride buffer layer, said buffer layer formed by MOCVD; and b) [[b]] a nitride epitaxial layer deposited on said buffer layer, said epitaxial layer 3 formed by HVPE 4 5 wherein said epitaxial layer is removed from said buffer layer.

1 Claim 25. (original) The heterostructure of claim 24, wherein said buffer layer comprises a 2 material selected from the group consisting of AlN, InN and GaN, and wherein said 3 buffer layer has a thickness in the range of from about 1.0 nanometer to 1.0 micron. Claim 26. (original) The heterostructure of claim 25, wherein said epitaxial layer comprises 1 2 a metal nitride comprising at least one metal selected from the group consisting of Ga, Al 3 and In and wherein said epitaxial layer has a thickness in the range of from about 1.0 4 micron to 500 micron. 1 Claim 27. (previously presented) An epitaxial layer, comprising: 2 a) a buffer layer formed on a substrate by CVD; 3 b) a cap layer formed on the buffer layer; and c) an epitaxial layer formed on the cap layer by hydride vapor-phase epitaxy. 4 1 Claim 28. (original) The epitaxial layer of claim 27, wherein the epitaxial layer comprises a 2 nitride comprising an element selected from group III and group IV of the periodic table. Claim 29. (original) The epitaxial layer of claim 27, wherein the substrate comprises a 1 2 material selected from the group consisting of sapphire, silicon, silicon carbide, gallium 3 arsenide, zinc oxide and magnesium oxide; and the buffer layer comprises aluminum nitride. 4 Claim 30. (original) The epitaxial layer of claim 28, wherein the cap layer and the epitaxial 1 2 layer have substantially the same composition. Claim 31. (previously presented) The epitaxial layer of claim 27, wherein the cap layer and 1 2 the epitaxial layer each comprise a nitride comprising an element selected from the group 3 consisting of group III and group IV elements of the periodic table. 1 Claim 32. (original) The epitaxial layer of claim 27 wherein the cap layer is formed by

MOCVD.

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